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1 An architecture supporting the collection and monitoring of data openly contributed over the World Wide Web

Stork, D.G.

Enabling Technologies: Infrastructure for Collaborative Enterprises, 2001. WET ICE 2001. Proceedings. Tenth IEEE International Workshops on , 2001

Page(s): 380 -385

[\[Abstract\]](#) [\[PDF Full-Text \(392 KB\)\]](#) **CNF**

2 Block color quantization: a new method for color halftoning

Gupta, M.; Gormish, M.; Stork, D.G.

Image Processing, 2000. Proceedings. 2000 International Conference on , 2000

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3 Building intelligent systems one e-citizen at a time

Hearst, M.A.; Hunson, R.D.; Stork, D.G.

IEEE Intelligent Systems [see also IEEE Expert] , Volume: 14 Issue: 3 , May-June 1999

Page(s): 16 -20

[\[Abstract\]](#) [\[PDF Full-Text \(856 KB\)\]](#) **JNL**

4 Character and document research in the Open Mind Initiative

Stork, D.G.

Document Analysis and Recognition, 1999. ICDAR '99. Proceedings of the Fifth International Conference on , 1999

Page(s): 1 -12

[\[Abstract\]](#) [\[PDF Full-Text \(220 KB\)\]](#) **CNF**

5 JET engineering development towards D-T operations in an ITER-like machine configuration

Stork, D.

Fusion Engineering, 1997. 17th IEEE/NPSS Symposium , Volume: 1 , 1998

Page(s): 70 -80 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(964 KB\)\]](#) **CNF**

6 Speechreading: an overview of image processing, feature extraction, sensory integration and pattern recognition techniques

Stork, D.G.; Hennecke, M.E.

Automatic Face and Gesture Recognition, 1996., Proceedings of the Second International Conference on , 1996

Page(s): XVI -XXVI

[\[Abstract\]](#) [\[PDF Full-Text \(1016 KB\)\]](#) **CNF**

7 Pruning Boltzmann networks and hidden Markov models

Pedersen, M.W.; Stork, D.G.

Signals, Systems and Computers, 1996. Conference Record of the Thirtieth Asilomar Conference on , Volume: 1 , 1997

Page(s): 258 -261 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(388 KB\)\]](#) **CNF**

8 Optimizing bit-plane context-dependent entropy coding for palettized images

Zandi, A.; Stork, D.G.; Allen, J.D.

Image Processing, 1995. Proceedings., International Conference on , Volume: 1 , 1995

Page(s): 270 -273 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(232 KB\)\]](#) **CNF**

9 Automatic speech recognition system using acoustic and visual signals

Hennecke, M.E.; Prasad, K.V.; Stork, D.G.

Signals, Systems and Computers, 1995. Conference Record of the Twenty-Ninth Asilomar Conference on , Volume: 2 , 1996

Page(s): 1214 -1218 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(440 KB\)\]](#) **CNF**

10 Using deformable templates to infer visual speech dynamics

Hennecke, M.E.; Prasad, K.V.; Stork, D.G.

Signals, Systems and Computers, 1994. 1994 Conference Record of the Twenty-Eighth Asilomar Conference on , Volume: 1 , 1994

Page(s): 578 -582 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(392 KB\)\]](#) **CNF**

11 A Digital Neural Network VLSI With On-chip Learning Using Stochastic Pulse Encoding

Oteki, S.; Hashimoto, A.; Furuta, T.; Motornura, S.; Watanabe, T.; Stork, D.G.; Eguchi, H.

Neural Networks, 1993. IJCNN '93-Nagoya. Proceedings of 1993 International Joint Conference on , Volume: 3
Page(s): 3039 -3045

[\[Abstract\]](#) [\[PDF Full-Text \(512 KB\)\]](#) [CNF](#)

12 Optimal Brain Surgeon and general network pruning

Hassibi, B.; Stork, D.G.; Wolff, G.J.

Neural Networks, 1993., IEEE International Conference on , 1993
Page(s): 293 -299 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(528 KB\)\]](#) [CNF](#)

13 Precision analysis of stochastic pulse encoding algorithms for neural networks

Eguchi, H.; Stork, D.G.; Wolff, G.

Neural Networks, 1992. IJCNN., International Joint Conference on , Volume: 1 , 1992
Page(s): 395 -400 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(364 KB\)\]](#) [CNF](#)

14 Neural network lipreading system for improved speech recognition

Stork, D.G.; Wolff, G.; Levine, E.

Neural Networks, 1992. IJCNN., International Joint Conference on , Volume: 2 , 1992
Page(s): 289 -295 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(696 KB\)\]](#) [CNF](#)

15 Deterministic Boltzmann machine VLSI can be scaled using multi-chip modules

Murray, M.; Burr, J.B.; Stork, D.G.; Ming-Tak Leung; Kan Boonyanit; Wolff, G.J.; Peterson, A.M.

Application Specific Array Processors, 1992. Proceedings of the International Conference on , 1992
Page(s): 206 -217

[\[Abstract\]](#) [\[PDF Full-Text \(596 KB\)\]](#) [CNF](#)

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Building intelligent systems one e-citizen at a time

- [Hearst, M.A.](#) [Hunson, R.D.](#) [Stork, D.G.](#)

California Univ. Berkeley, LA, USA

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References Cited: 6

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Abstract:

The article comprises two sections. In the first, the author suggests that speculative markets are a neglected way to help us find out what people know. Such markets pool the information that is known to diverse individuals into a common resource, and have many advantages over standard institutions for information aggregation, such as news media, peer review, trials, and opinion polls. Speculative markets are decentralized and relatively egalitarian, and can offer direct, concise, timely, and precise estimates in answer to questions we pose. In the second section, the author argues that now is the time for computer science and cognitive science to have their big science—one that harvests informal knowledge from a large number of e-citizens for building useful software for next generation systems. Given the conjunction of several forces—the need for natural human-machine interfaces and improved Web searching, the existence of good learning algorithms and Web infrastructure, and the demonstrated success of the Open Source methodology—the time is right for the Open Mind Initiative.

Index Terms:

[information retrieval](#) [knowledge based systems](#) [Internet](#) [technological forecasting](#) [intelligent systems](#) [e-citizen](#) [speculative markets](#) [common resource](#) [information aggregation](#) [precise estimates](#) [computer science](#) [cognitive science](#) [informal knowledge](#) [next generation systems](#) [natural human-machine interfaces](#) [Web searching](#) [learning algorithms](#) [Web infrastructure](#) [Open Source methodology](#) [Open Mind Initiative](#)

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